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DIVISION OF LABOR STANDARDS

INSPECTION SECTION

MINING

OF THE

DEPARTMENT OF

LABOR AND INDUSTRIAL RELATIONS

OF THE

STATE OF MISSOURI

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STATISTICAL REPORT
MAY 26 1987

1982



CHRISTOPHER S. BOND

Governor

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FOREWORD

Missouri Mineral production in 1982 was not like the years we enjoyed up until 1981. These two rough years do not apply only to Missouri, many other states are actually having it rougher than Missouri. Our companies have managed well, just to stay in business. We hope for a quick turn around and all companies can get their people back to work and return to a profit situation. We had one great company to close in February, 1983 (Ozark Lead Company). Ozark Lead Company was employing over 400 people in 1982. We have had other small companies that were forced to close until markets improve.

Our 1982 safety record shows a bad feature of 3 fatalities, but the frequency rate of Metal Mines was very good. Our accident frequency rate was 7.33 with the National average being 33.25. We believe this makes us number one in the Nation again.

In Coal, our 1982 frequency rate was 20.80 with the National average being 35.20. We need some improvement here. Some things are being done that we believe will improve this situation in 1983.

Our accident rate for Clay and Shale was very low. We do not have an actual rate, due to the fact that much of this mining is contracted.

The cooperation, this Department received in 1982 from both company and labor was excellent.

MISSOURI MINERALS PRODUCTION

KIND OF MINES	TONS PRODUCED	
	1981	1982
CLAY	836,959	649,613
COAL	4,925,944	5,778,223
COPPER	15,384	11,578
GRANITE (Felsite)+	252,254	255,077
IRON	1,100,000	807,094
LEAD	555,776	680,310
SHALE	958,652	704,442
SILICA SAND . .	1,130,395	764,283
ZINC	98,269	126,473

+Cubic Feet

Concentrates - Lead - Zinc - Copper

Iron - Pellets

CLAY

Clay production in Missouri in 1982 showed a decrease of 187,346 tons compared in 1981.

THE LEADING PRODUCERS OF CLAY IN 1982 WERE AS FOLLOWS:

OPERATORS	TONS PRODUCED
Lowe's Southern Clay	167,710
River Cement Co.	93,883
Allied Chemical Co.	84,298
A.P. Green Refractories	65,901
Harbison-Walker Refractories	65,161
Mantle Mining Co.	47,261

THE FOLLOWING IS THE CLAY PRODUCTION FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1973	1,217,324
1974	1,780,114

1975	1,388,155
1976	1,403,983
1977	1,174,857
1978	1,235,744
1979	1,278,876
1980	1,074,509
1981	836,959
1982	649,613

CLAY

Operator	Men Employed	Tonnage
Allied Chemical Corp.	5	84,298
Alsey Refractories	3	17,116
C.E. Refractories		14,728
Ceramo Company, Inc.	3	10,274
Churovich Clay Co.		8,979
Columbia Brick & Tile Co.	3	121
Deeker Mining Co.	11	38,564
Arthur Dillon Clay Mining		3,647
Joe Gilliam Mining	2	9,244
A.P. Green Refractories		65,901
Harbison-Walker Refractories	25	65,161
Hensley Mining Co.	1	1,651
Forest Johnson Clay Co.	5	7,805
Kasten Clay Products	1	6,218
Langenberg Mining	2	7,000
Lowe's Southern Clay	74	167,710
Mantle Mining Co.	5	47,261
River Cement Co.	6	93,883
A.D. Willis & Son		52

COAL

Coal production for 1982 showed an increase of 536,192 tons compared to 1981.

FOLLOWING ARE THE COUNTIES WHICH LED IN COAL PRODUCTION IN 1982:

Randolph	2,430,721
Henry	913,979
Bates	738,783
Barton	481,297
Vernon	479,286

THE THREE LEADING COAL PRODUCERS FOR 1982 WERE:

Associated Electric Corp.	1,720,904
Peabody Coal Co.	913,979
Pittsburg & Midway Coal Co.	738,783

THE FOLLOWING COUNTIES EMPLOYED THE MOST MEN IN THE PRODUCTION OF COAL IN 1982:

Randolph538
Bates177
Vernon149
Henry123

THE FOLLOWING IS THE COAL PRODUCTION FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1973	4,654,903
1974	4,572,466
1975	5,669,671
1976	6,167,524
1977	6,626,940
1978	5,843,073
1979	6,487,445
1980	5,502,523
1981	5,242,031
1982	5,778,223

COAL

Operator	Men Employed	Tonnage
Associated Electric Corp.	363	1,720,904
Bill's Coal Company	79	248,373
Bulbridge Coal Co.	30	44,932
Howard County Coal Co.	25	75,210
Mid-Mo. Energy Corp.	20	30,330
Midwestern Mining & Reclamation	70	230,913
Missouri Leasing & Investment Co.	4	26,975
Missouri Mining Inc.	51	132,657
NEMO Coal Co.	145	699,180
Peabody Coal Co.	123	913,979
Pittsury & Midway Coal Co. (Empire Mine)	73	481,297
Pittsburg & Midway Coal Co. (Midway)	177	738,783
Universal Coal & Energy Co.	50	318,937
Wyoming Fuel (Tri-County Mine)	30	105,116
Yates Energy & Development	30	10,637

COAL PRODUCTION BY COUNTY

COUNTY	TONS PRODUCED	FATAL ACCIDENTS
Bates	738,783	0
Barton	481,297	0
Henry	913,979	0
Howard	424,477	0
Putnam	132,657	0
Ralls	150,048	0
Randolph	2,430,721	0
Vernon	479,286	0
Cooper	26,975	0

IRON

The 1982 production of Iron showed a decrease of 292,906 tons compared to 1981.

BELOW IS THE PRODUCTION RECORD OF IRON FOR THE
LAST TEN YEARS:

YEAR	TONS PRODUCED
1973	2,774,867
1974	1,936,627
1975	2,436,888
1976	2,294,779
1977	2,055,316
1978	717,769
1979	1,188,634
1980	1,439,300
1981	1,100,000
1982	807,094

IRON

Operator	Men Employed	Tonnage
Pea Ridge Iron Ore Co.	317	807,094

LEAD

Lead production in Missouri for 1982 showed an increase of 124,534 tons. Zinc showed an increase of 28,204 tons and Copper showed a decrease of 3,806 tons compared to 1981.

BELOW IS THE PRODUCTION RECORD OF LEAD, ZINC,
AND COPPER FOR THE LAST TEN YEARS:

Year	Tons Lead Produced	Tons Zinc Produced	Tons Copper Produced
1973	650,317	162,505	19,280
1974	774,879	171,697	19,295
1975	703,970	144,223	27,000
1976	713,185	185,595	22,954
1977	697,417	148,742	31,063
1978	716,126	130,537	23,999
1979	719,553	130,323	31,386
1980	752,060	129,683	26,142
1981	555,776	98,269	15,384
1982	680,310	126,473	11,578

LEAD, ZINC, AND COPPER

Operator	Tons Produced Lead	Tons Produced Zinc	Tons Produced Copper	Men Employed
Amax Lead Co.	220,381	68,243		484
Cominco American	88,980	14,047	5,796	136
Ozark Lead Co.	89,720	6,072		245
St. Joe Minerals	281,229	38,111	5,782	640

SHALE

The 1982 production of Shale showed a decrease of 254,210 tons compared to 1981.

THE FOLLOWING IS THE PRODUCTION RECORD OF SHALE FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1973	1,092,964
1974	1,167,004
1975	1,051,050
1976	1,172,557
1977	1,276,884
1978	1,290,386
1979	1,353,088
1980	1,144,436
1981	958,652
1982	704,442

SHALE

Operator	Men Employed	Tonnage
The Carter-Waters Corp.	20	32,332
Columbia Brick and Tile Co.	3	3,833
Continental Cement Co.	3	116,787
Dundee Cement Co.	30	509,130
Midland Brick and Tile Co.	2	42,360

SILICA SAND

The 1982 production of Silica Sand showed a decrease of 366,112 tons compared to 1981.

THE FOLLOWING IS THE PRODUCTION RECORD OF SILICA SAND FOR THE LAST TEN YEARS:

YEAR	TONS PRODUCED
1973	778,458
1974	1,048,605
1975	702,694
1976	995,049
1977	1,080,200
1978	1,168,894
1979	1,175,214
1980	1,072,951
1981	1,130,395
1982	764,283

SILICA SAND

Operator	Men Employed	Tonnage
Manley Sand Division - Martin Marietta Agg.	11	140,711
Master Bros. Silica Sand	7	51,500
Pennsylvania Glass Sand	54	229,776
River Cement Co.		
UNIMIN Corp.	31	228,275

GRANITE

Operator	Men Employed	Tonnage
G.A.F. Corp.	95	255,077

FATAL ACCIDENTS IN MISSOURI MINES IN 1982

Name of Mine		Name of Operator
Fletcher		St. Joe Minerals Corp.
Address of Operator		Date of Fatality
Viburnam, MO		March 23, 1982
Name of Deceased	Age	Occupation
Bobby Ray Farmer	40	Development Driller Learner

Description of Accident

1/4 inch street elbow that controlled the left boom of drill, ruptured, allowing boom to swing free, hitting Mr. Farmer in the face and right side.

Name of Mine		Name of Operator
Asarco West Fork Mine		Gunther Nash Mining Construction Co.
Address of Operator		Date of Fatality
P.O. Box 125, Bunker, MO		July 30, 1982
Names of Deceased	Age	Occupation
Edward P. Ward	23	Lead Miner
Rick T. Burton	21	Miner

Description of Accident

A four man crew was working in shaft on work deck, double drum winch disengaged, dropping work deck approximately 400 feet.

MINE FATALITIES IN MISSOURI

Year	Lead and Zinc Mines	Coal Mines	Other Mines	Total
1900 . . .	52	19	--	71
1901 . . .	41	15	--	56
1902 . . .	14	10	--	24
1903 . . .	13	17	--	30
1904 . . .	30	11	--	41
1905 . . .	49	11	--	60
1906 . . .	58	16	--	74
1907 . . .	42	8	3	53
1908 . . .	46	10	--	56
1909 . . .	65	21	--	86
1910 . . .	45	16	--	61
1911 . . .	33	8	3	44
1912 . . .	28	19	2	49
1913 . . .	28	9	4	41
1914 . . .	22	19	2	43
1915 . . .	41	17	2	60
1916 . . .	35	6	2	43
1917 . . .	48	14	--	62
1918 . . .	16	22	1	39
1919 . . .	11	10	1	22
1920 . . .	No Report	--	--	--
1921 . . .	10	12	--	22
1922 . . .	10	6	--	16
1923 . . .	9	20	--	29
1924 . . .	12	6	--	18
1925 . . .	6	11	--	17
1926 . . .	11	7	--	18
1927 . . .	5	9	1	15
1928 . . .	8	11	2	21
1929 . . .	2	7	--	9
1930 . . .	3	10	3	16
1931 . . .	1	6	2	9
1932 . . .	2	7	1	10
1933 . . .	--	19	2	21
1934 . . .	1	13	--	14
1935 . . .	2	9	--	11
1936 . . .	3	16	1	20
1937 . . .	2	14	2	18
1938 . . .	5	7	2	14
1939 . . .	6	1	--	7
1940 . . .	3	7	--	10

Year	Lead and Zinc Mines	Coal Mines	Other Mines	Total
1941 . . .	4	8	2	14
1942 . . .	6	--	2	8
1943 . . .	4	7	2	13
1944 . . .	6	4	2	12
1945 . . .	6	5	2	13
1946 . . .	1	3	2	6
1947 . . .	7	3	6	16
1948 . . .	2	1	4	7
1949 . . .	5	2	5	12
1950 . . .	2	1	4	7
1951 . . .	2	2	5	9
1952 . . .	3	3	4	10
1953 . . .	2	--	--	2
1954 . . .	--	1	1	2
1955 . . .	1	--	2	3
1956 . . .	1	--	1	2
1957 . . .	3	1	3	7
1958 . . .	2	1	3	6
1959 . . .	4	--	--	4
1960 . . .	--	--	--	0
1961 . . .	6	1	--	7
1962 . . .	--	--	--	0
1963 . . .	--	--	--	0
1964 . . .	3	--	--	3
1965 . . .	2	--	--	2
1966 . . .	1	1	2	4
1967 . . .	2	--	--	2
1968 . . .	3	--	1	4
1969 . . .	2	--	--	2
1970 . . .	3	1	--	4
1971 . . .	3	1	--	4
1972 . . .	2	1	1	4
1973 . . .	2	--	4	6
1974 . . .	2	--	3	5
1975 . . .	--	2	2	4
1976 . . .	1	--	--	1
1977 . . .	1	--	--	1
1978 . . .	--	--	2	2
1979 . . .	1	--	--	1
1980 . . .	--	--	--	0
1981 . . .	1	--	--	1
1982 . . .	2	--	--	2
Total	916	527	101	1,544

CAVES

An act of the 63rd General Assembly authorized and directed inspection of all Caves held open to the public and to require every Cave owner, operator or agent to provide necessary safety guard rails, bridges, ladders, entrances, platforms, walkways, safety barriers, rails, paths and other safety measures in and around any such Cave before it may be opened to the public and to file a complete and true map plan of such cave.

It shall be the duty of the Inspection Section to inspect such Caves at least once a year. The annual inspection fee will be thirty-five dollars (\$35.00).

COUNTY	NAME OF CAVE	ADDRESS
Barry	Crystal Caverns	Cassville, MO
Camden	Ozark Caverns	Osage Beach, MO
Camden	Bridal Cave	Camdenton, MO
Carter	Onyx Cave	Van Buren, MO
Crawford	Onondago Cave	Leasburg, MO
Franklin	Fisher's Cave	Sullivan, MO
Franklin	Meramec Caverns	Stanton, MO
Greene	Crystal Cave	Springfield, MO
Greene	Fantastic Caverns	Springfield, MO
McDonald	Ozark Wonder Cave	Noel, MO
McDonald	Bluff Dwellers Cave	Noel, MO
McDonald	Truitts Cave	Lanagan, MO
Marion	Cameron Cave	Hannibal, MO
Marion	Mark Twain Cave	Hannibal, MO
Miller	Indian Burial Cave	Osage Beach, MO
Miller	Fantasy World Cavern	Osage Beach, MO
Morgan	Jacob's Cave	Versailles, MO
St. Francois	Bonne Terre Cave	Bonne Terre, MO
Shannon	Round Springs	Round Springs, MO
Stone	Talking Rock Cave	Silver Dollar City, MO
Stone	Marvel Cave	Silver Dollar City, MO
Wayne	Rebel Cave	Silva, MO